

Title (en)

A METHOD AND APPARATUS FOR TANK GAUGING USING DIODE LASERS AND OPTICAL FIBRES

Publication

EP 0102102 B1 19870513 (EN)

Application

EP 83201085 A 19830721

Priority

GB 8224564 A 19820826

Abstract (en)

[origin: EP0102102A1] A method for determining the level of the surface of a material in a storage tank or vessel comprising the steps of modulating electrically an optical radiation beam by a radio frequency f , continuously variable over a suitable range, transmitting said beam to the surface of the material, receiving the beam reflected from said surface, adjusting the said frequency in order to obtain phase equality of the modulation in the measurement path in which the beam has travelled to the said surface and the modulation in a reference path in which the beam has not travelled to the said surface and deriving from this adjustment information as to the level in the tank or vessel. The invention also relates to an apparatus for carrying out the above method

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G01F 23/28

IPC 8 full level

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CPC (source: EP US)

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